

Notice of Allowability

Application No.

10/786,656

Examiner

Marie Antoinette Cabucos

Applicant(s)

NILSSON, JACK

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/25/2004 and amendment filed on 9/30/2005.
2. ☒ The allowed claim(s) is/are 1-9 and 11-23.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Shih-Chao Chen 11/21/05
SHIH-CHAO CHEN
PRIMARY EXAMINER

DETAILED ACTION

Allowable Subject Matter

Claims 1-9 and 11-23 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art neither discloses nor suggests the following limitations in the combination with the remaining elements as disclosed in claims 1 and 16:

1. Regarding claim 1, limitation of a multi-polarized forward feed and dish configuration comprising a multi-polarized forward feed element and a mounting mechanism for mounting of said feed element at a position substantially at said focal point, and wherein said feed element comprises at least two radiative members each having a first end and a second end and wherein said second ends of said radiative members are electrically connected at an apex point and are each disposed outwardly away from said apex point toward said vertex point at an acute angle relative to an imaginary plane intersecting said apex point.
2. Regarding claim 16, limitation of forward feed of a reflector dish configuration comprising a truncated pyramidal conductor that includes a closed truncated side, an open base side, and three closed trapezoidal sides, and wherein an open interior space of said truncated pyramidal conductor encompasses said radiative members such that said apex point is approximately at a center point of said closed truncated side and said radiative members are disposed outwardly away from said closed truncated side toward said open base side.
3. Claims 2-15 and 17-23 are allowable for being dependent claims.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Pertinent Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Prior art of record to M.W. Scheldorf (US Patent no. 2,828,486) discloses an antenna feed system.

Prior art of record to Soma et al (US Patent no. 3,845,483) discloses an antenna system.

Prior art of record to MacDonald et al (US Patent no. 5,506,592) discloses a multi-octave, low profile, full instantaneous azimuthal field of view direction finding antenna.

Prior art of record to McCorkle (US Patent no. 5,880,699) discloses an ultra-wide bandwidth dish antenna.

Prior art of record to Sharman (US Patent no. 6,522,305) discloses microwave antennas.

Prior art of record to Gothard et al (US Patent no. 6,697,028) discloses a multi-band ring focus dual reflector antenna system.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marie Antoinette Cabucos whose telephone number is 571-272-8582. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Marie Antoinette Cabucos
11/17/2005

Shih-Chao Chen 11/21/05
SHIH-CHAO CHEN
PRIMARY EXAMINER